

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\
 Data File : BG041301.D
 Acq On : 18 Jun 2019 17:28
 Operator : HP/JU
 Sample : K3420-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 19 05:39:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

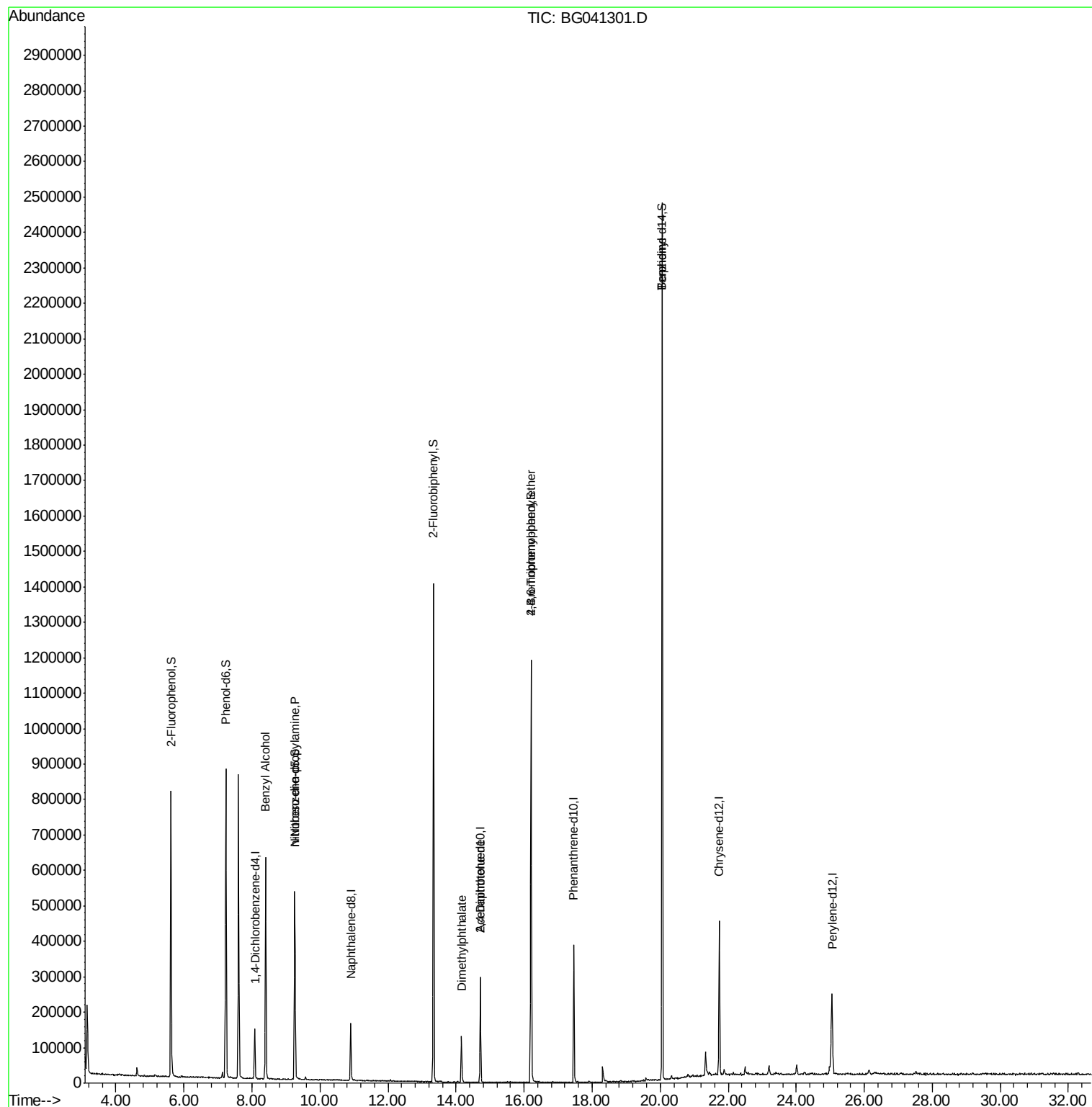
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	38573	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	140149	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	103342	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	254515	20.00	ng	0.00
76) Chrysene-d12	21.74	240	255373	20.00	ng	0.00
87) Perylene-d12	25.05	264	269562	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	308870	147.13	ng	0.00
7) Phenol-d6	7.23	99	438286	144.03	ng	0.00
23) Nitrobenzene-d5	9.26	82	315754	94.75	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	220874	139.22	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	688469	90.55	ng	0.00
79) Terphenyl-d14	20.06	244	1153137	89.49	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.40	79	5839	2.003	ng	# 54
19) n-Nitroso-di-n-propylamine	9.26	70	46302	18.813	ng	# 75
50) Dimethylphthalate	14.16	163	88708	9.647	ng	99
57) 2,4-Dinitrotoluene	14.72	165	13467	4.752	ng	# 21
67) 4-Bromophenyl-phenylether	16.21	248	15822	4.808	ng	# 1
77) Benzidine	20.06	184	20918	3.387	ng	99

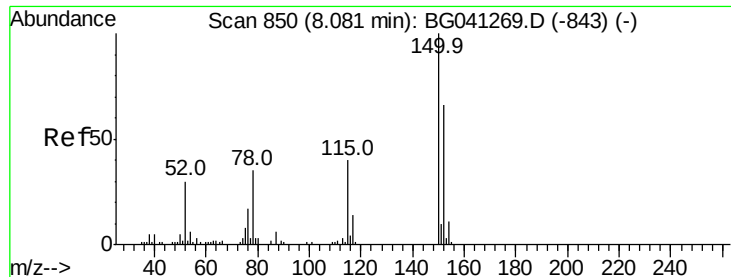
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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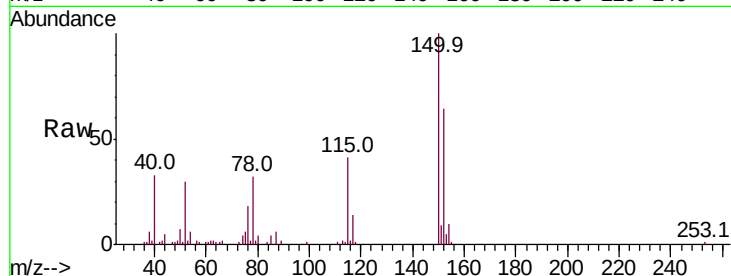


#1

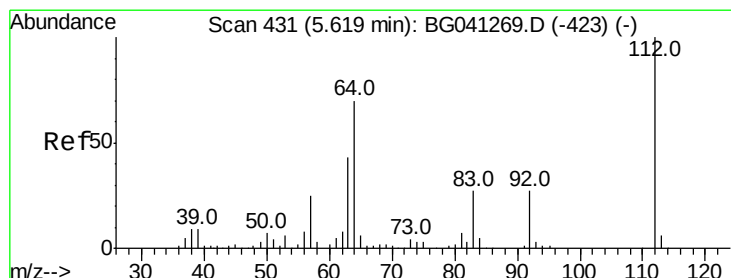
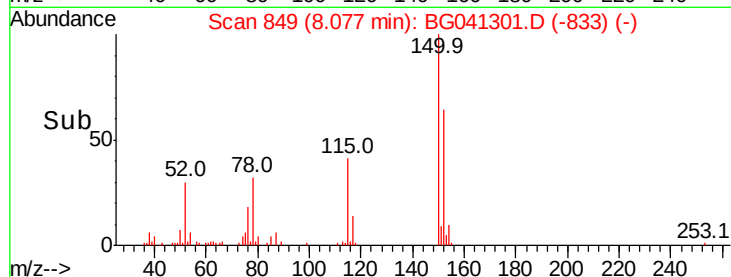
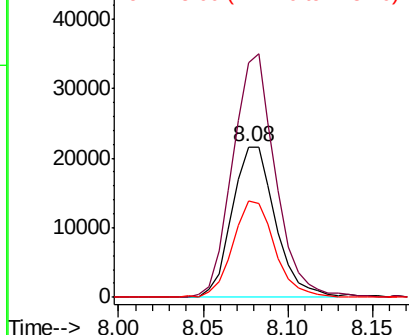
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041301.D
Acq: 18 Jun 2019 17:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38573
Ion Ratio Lower Upper
152 100
150 156.2 120.6 181.0
115 63.8 47.9 71.9



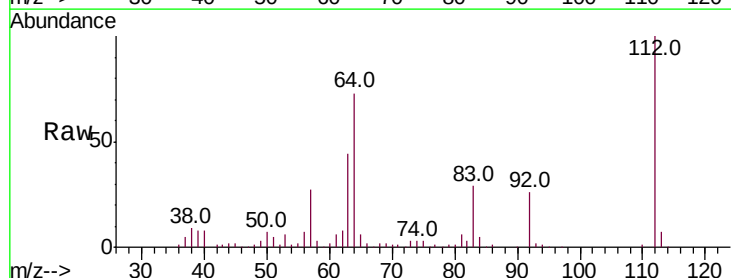
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



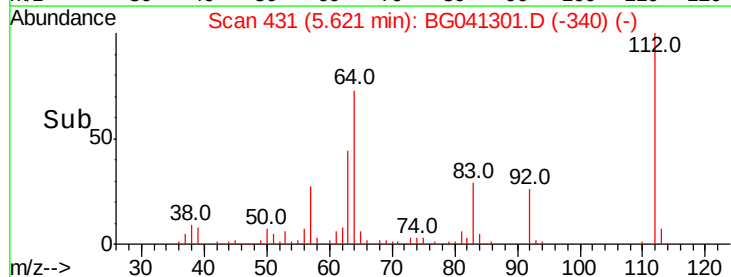
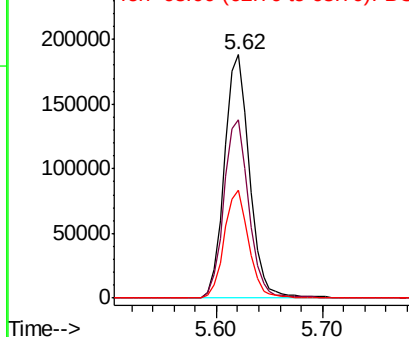
#5

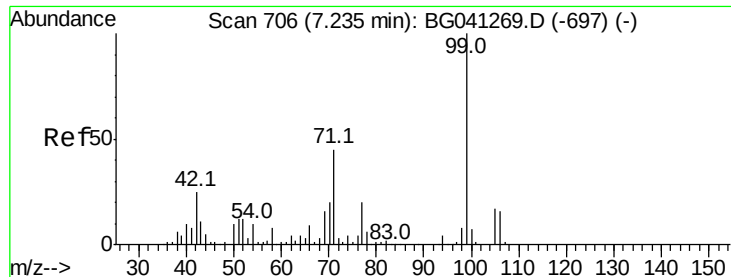
2-Fluorophenol
Concen: 147.129 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041301.D
Acq: 18 Jun 2019 17:28

Tgt Ion:112 Resp: 308870
Ion Ratio Lower Upper
112 100
64 73.0 55.9 83.9
63 44.3 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 144.032 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

Instrument :

BNA_G

ClientSampleId :

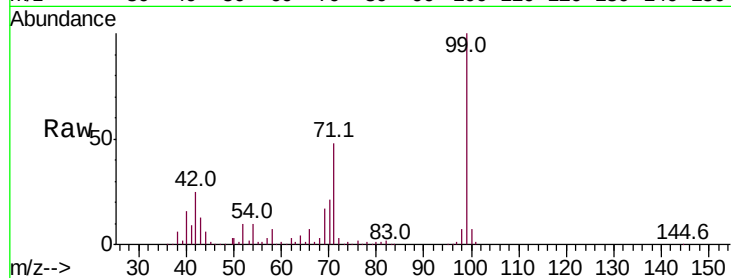
Tot Ion: 99 Resp: 438286

Ion Ratio Lower Upper

99 100

42 25.5 19.9 29.9

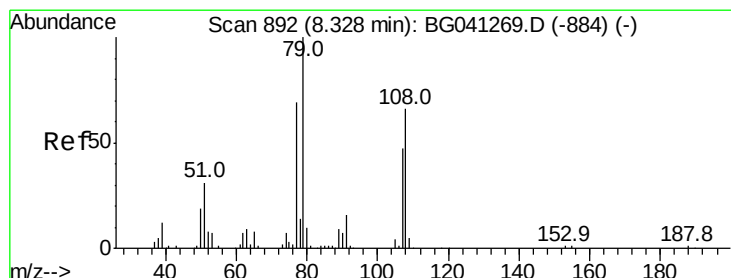
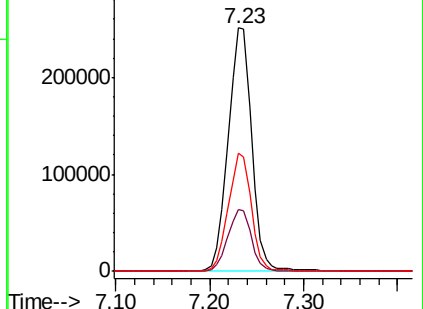
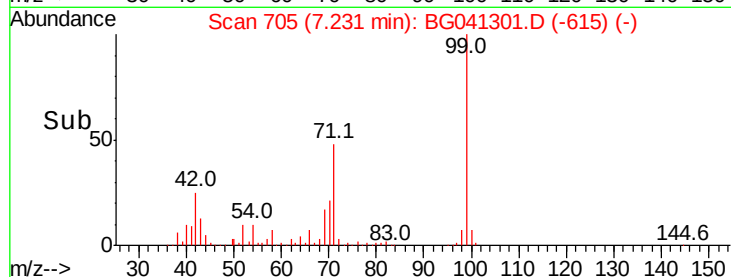
71 48.4 36.4 54.6



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.003 ng

RT: 8.40 min Scan# 904

Delta R.T. 0.07 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

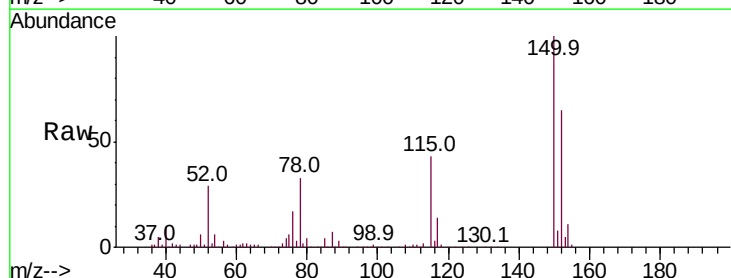
Tgt Ion: 79 Resp: 5839

Ion Ratio Lower Upper

79 100

108 27.2 52.7 79.1#

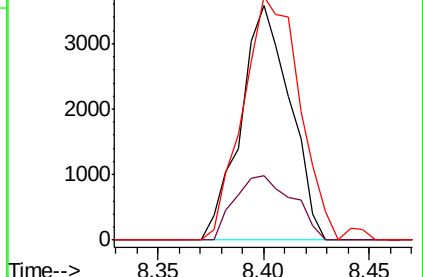
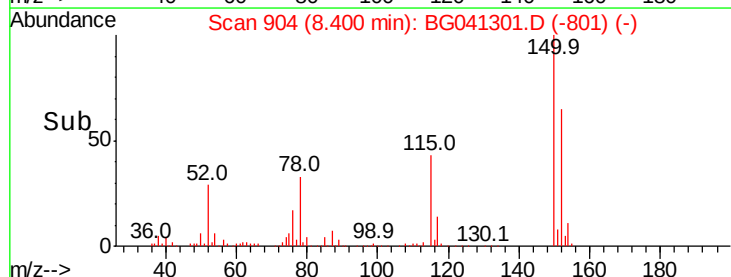
77 103.7 55.2 82.8#

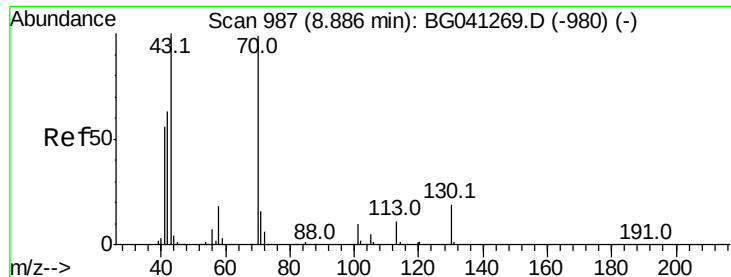


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

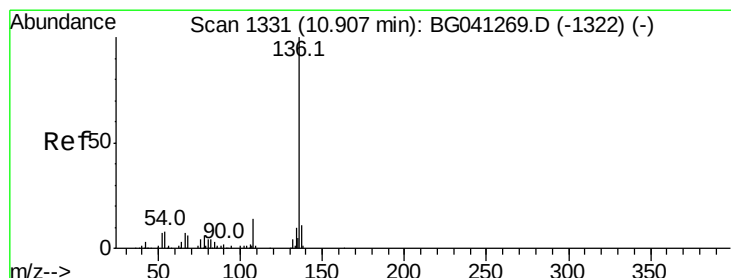
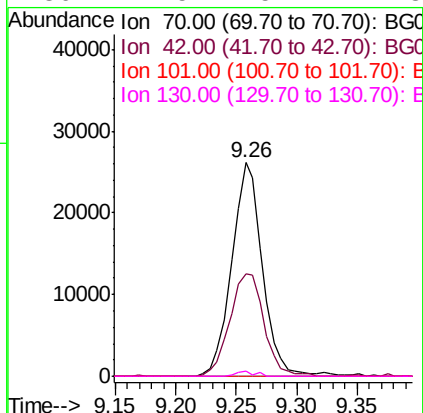
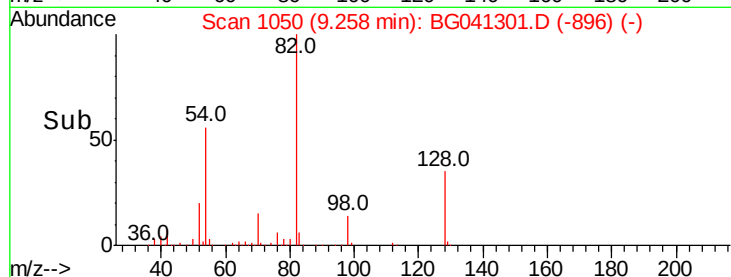
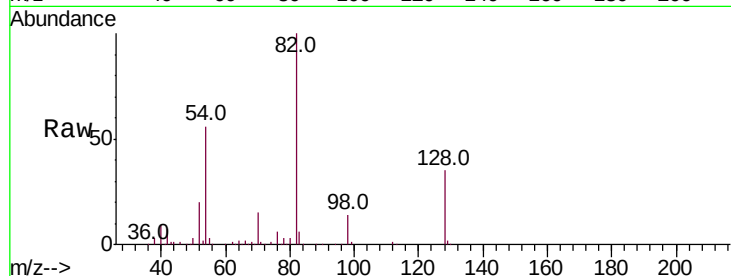




#19
n-Nitroso-di-n-propylamine
Concen: 18.813 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.37 min
Lab File: BG041301.D
Acq: 18 Jun 2019 17:28

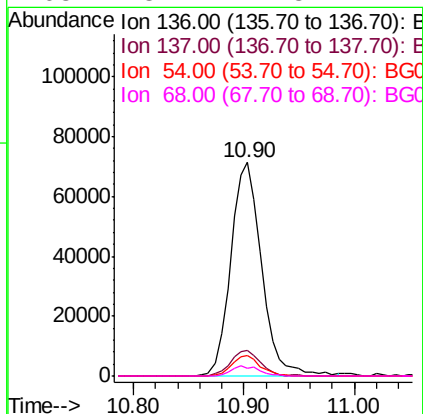
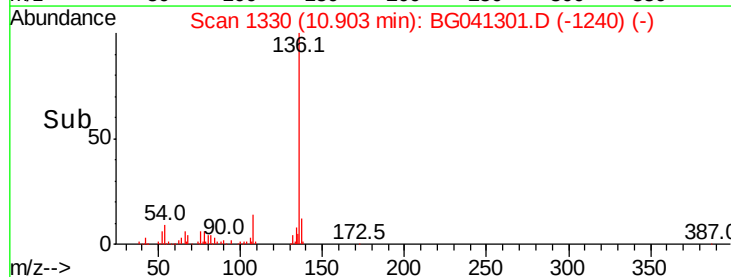
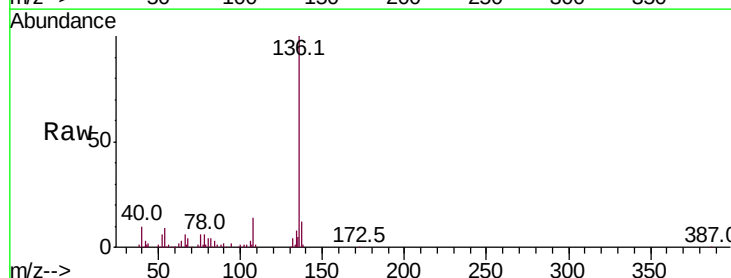
Instrument :
BNA_G
ClientSampleId :

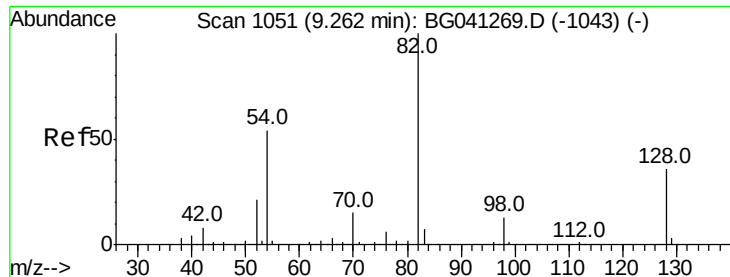
Tot Ion: 70 Resp: 46302
Ion Ratio Lower Upper
70 100
42 48.2 51.4 77.2#
101 0.0 8.2 12.2#
130 2.5 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041301.D
Acq: 18 Jun 2019 17:28

Tgt Ion: 136 Resp: 140149
Ion Ratio Lower Upper
136 100
137 12.0 8.8 13.2
54 9.7 6.4 9.6#
68 3.7 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 94.752 ng

RT: 9.26 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

Instrument :

BNA_G

ClientSampleId :

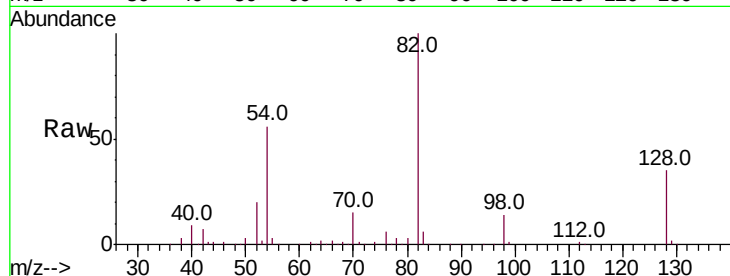
Tot Ion: 82 Resp: 315754

Ion Ratio Lower Upper

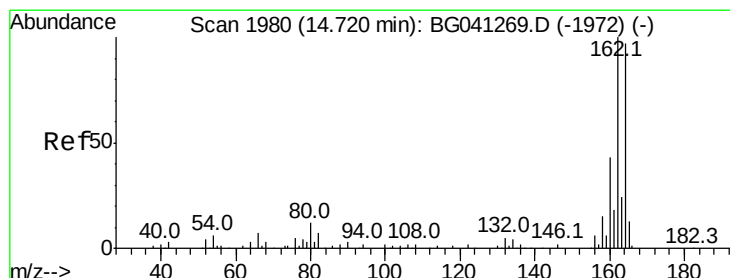
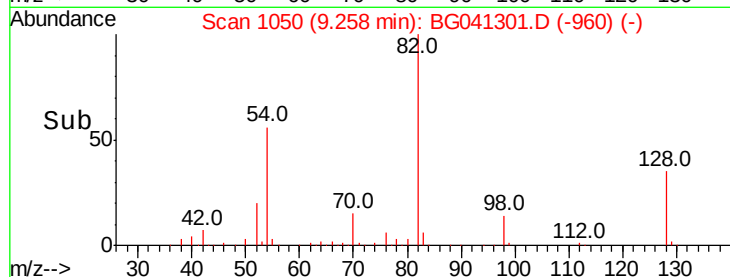
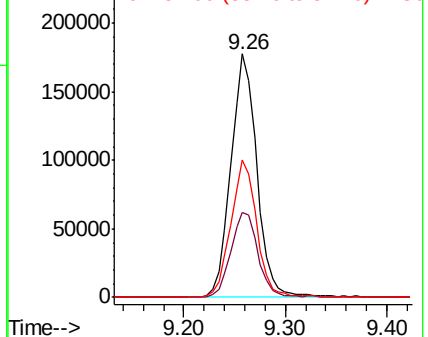
82 100

128 34.9 29.2 43.8

54 56.4 43.4 65.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

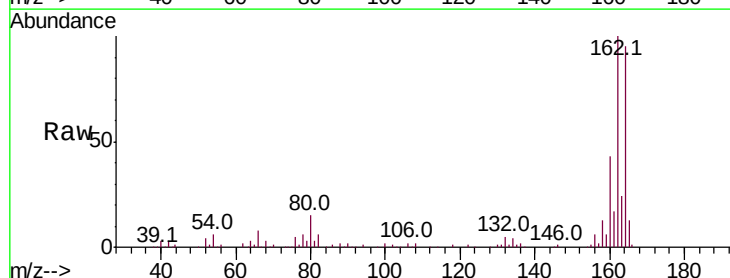
Tgt Ion: 164 Resp: 103342

Ion Ratio Lower Upper

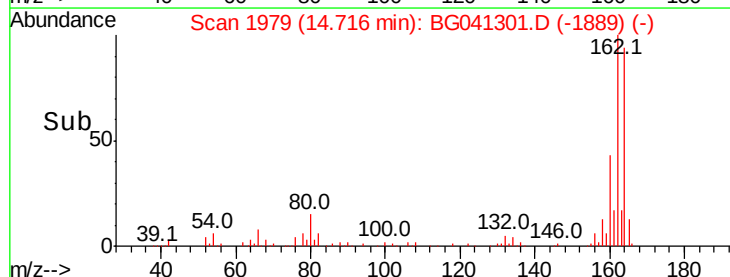
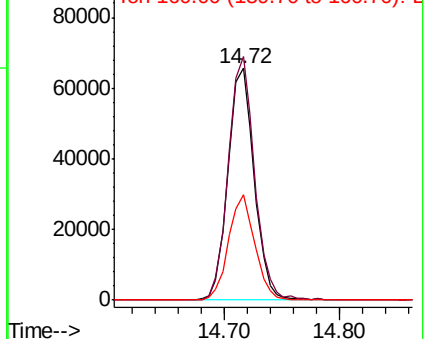
164 100

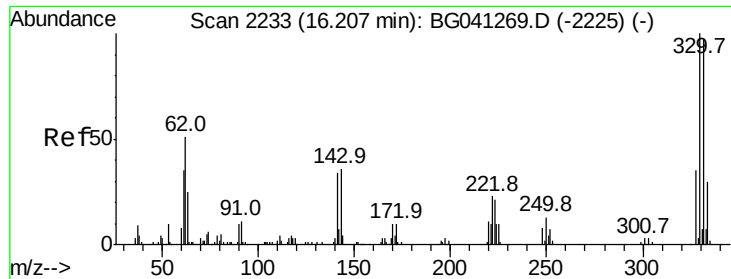
162 105.2 82.8 124.2

160 45.6 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 139.218 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

Instrument :

BNA_G

ClientSampleId :

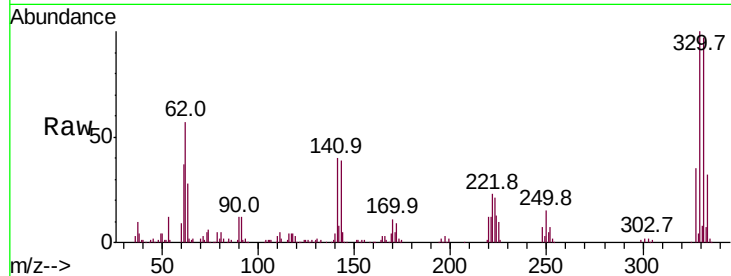
Tot Ion:330 Resp: 220874

Ion Ratio Lower Upper

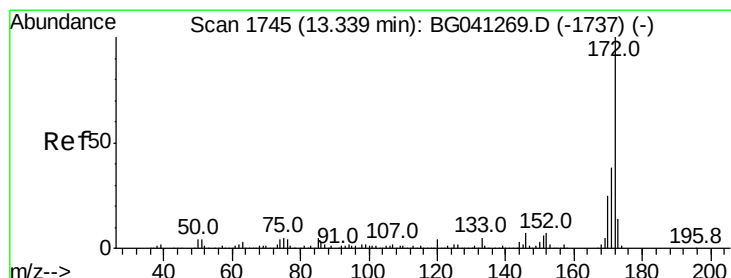
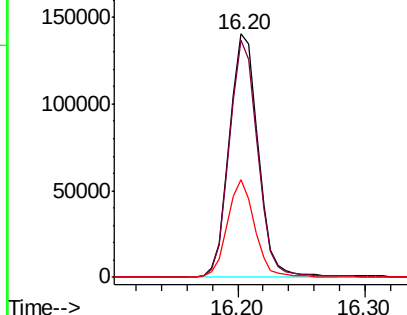
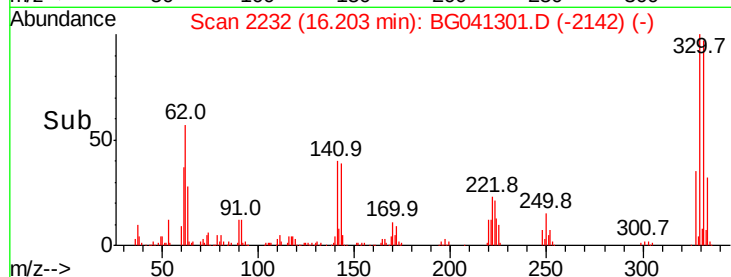
330 100

332 96.4 75.5 113.3

141 38.2 29.0 43.4



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 90.548 ng

RT: 13.34 min Scan# 1744

Delta R.T. -0.00 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

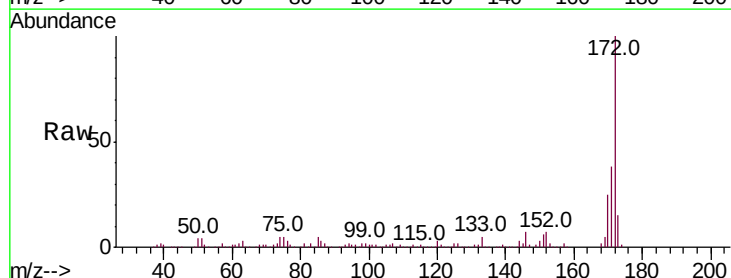
Tgt Ion:172 Resp: 688469

Ion Ratio Lower Upper

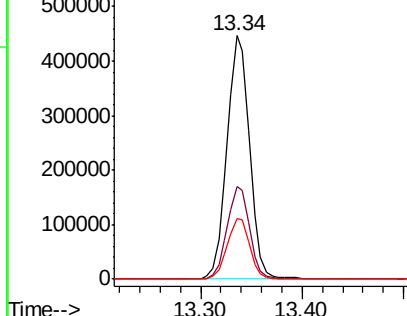
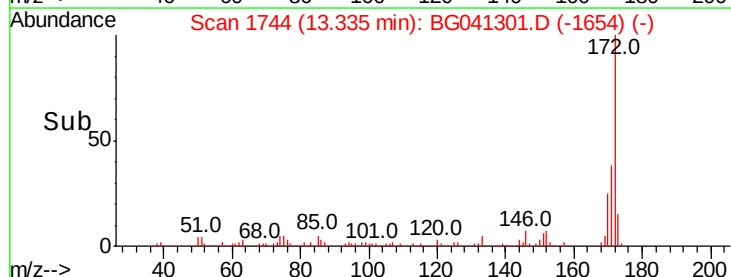
172 100

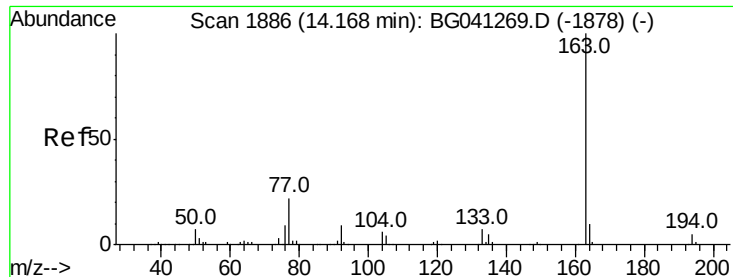
171 38.3 30.0 45.0

170 25.1 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.647 ng

RT: 14.16 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

Instrument :

BNA_G

ClientSampleId :

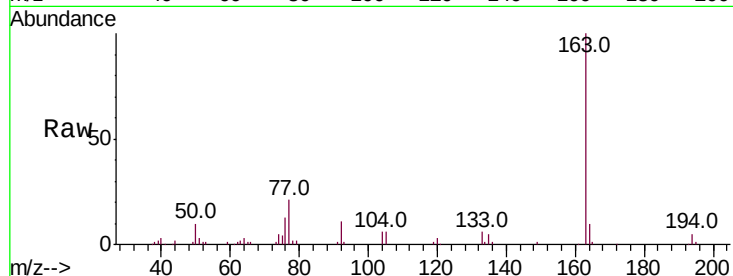
Tot Ion:163 Resp: 88708

Ion Ratio Lower Upper

163 100

194 5.1 3.9 5.9

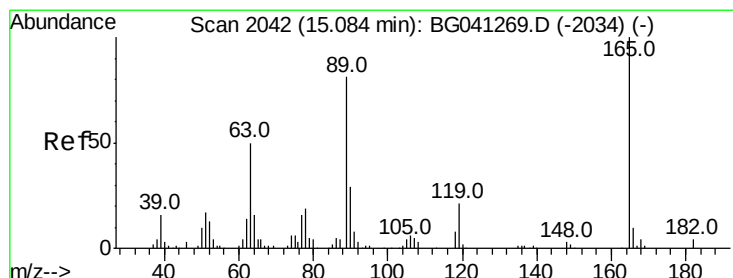
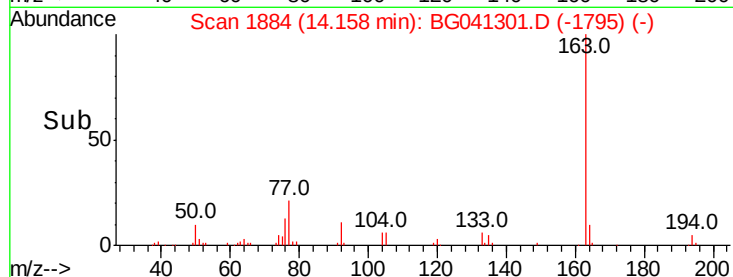
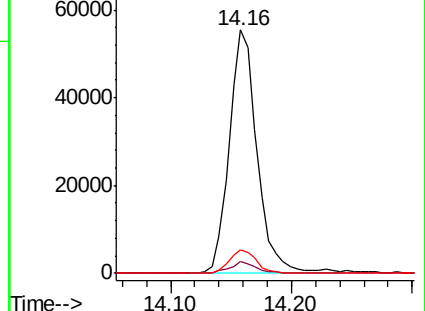
164 9.7 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.752 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

Tgt Ion:165 Resp: 13467

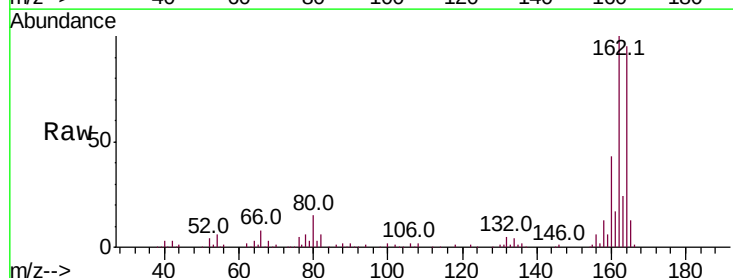
Ion Ratio Lower Upper

165 100

63 1.9 40.0 60.0#

89 2.3 64.6 96.8#

182 0.0 2.9 4.3#

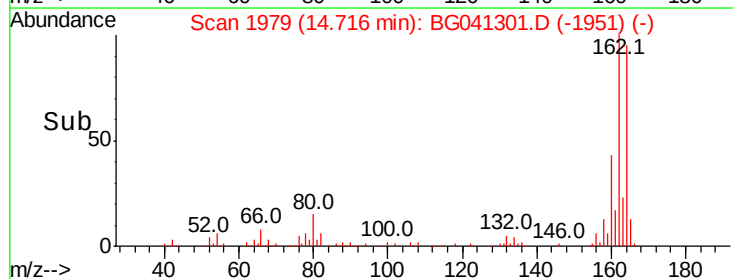
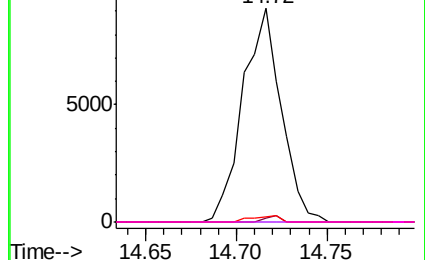


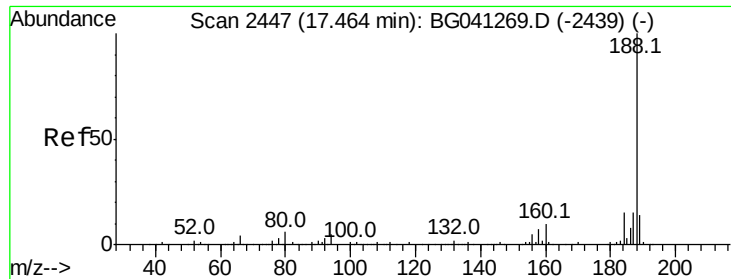
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

Instrument :

BNA_G

ClientSampleId :

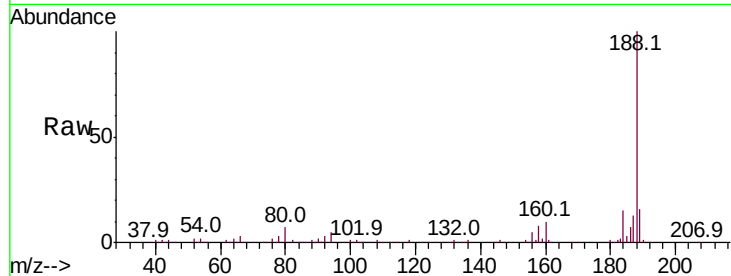
Tot Ion:188 Resp: 254515

Ion Ratio Lower Upper

188 100

94 5.0 3.6 5.4

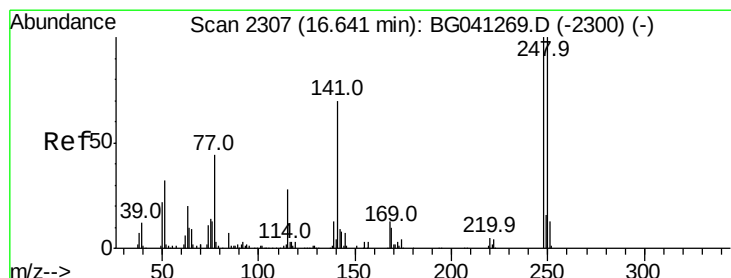
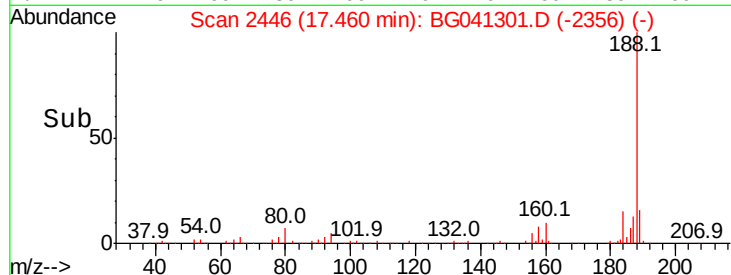
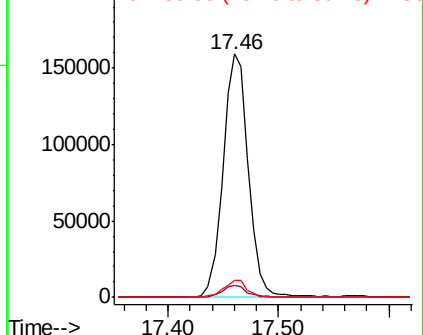
80 7.1 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.808 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.43 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

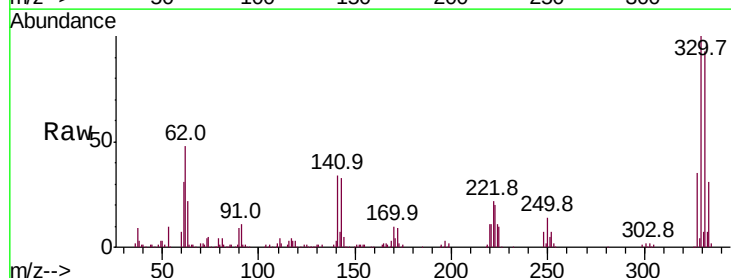
Tgt Ion:248 Resp: 15822

Ion Ratio Lower Upper

248 100

250 205.7 79.8 119.8#

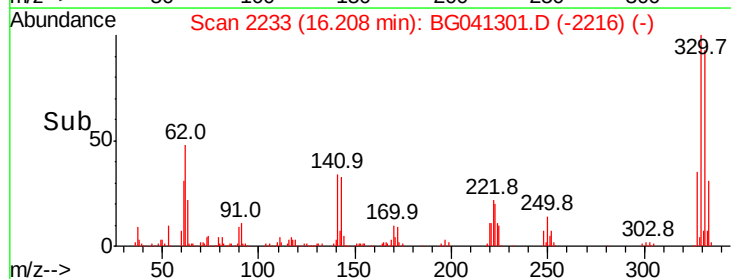
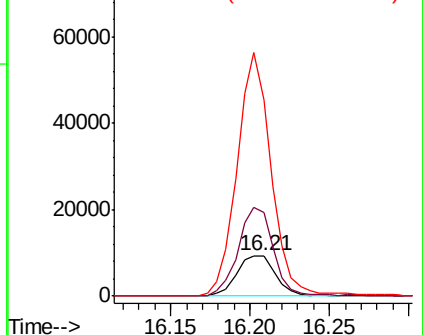
141 481.6 55.8 83.6#

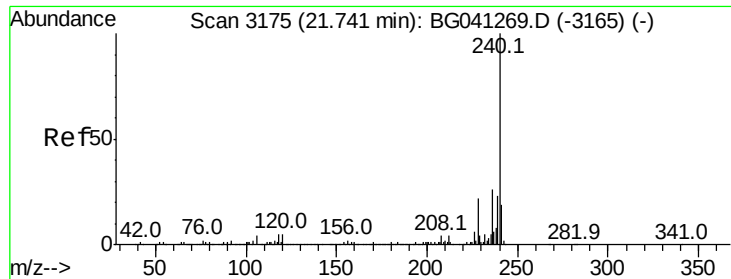


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

Instrument :

BNA_G

ClientSampleId :

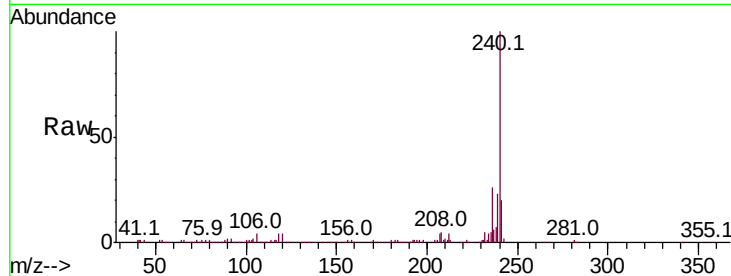
Tot Ion:240 Resp: 255373

Ion Ratio Lower Upper

240 100

120 4.4 3.7 5.5

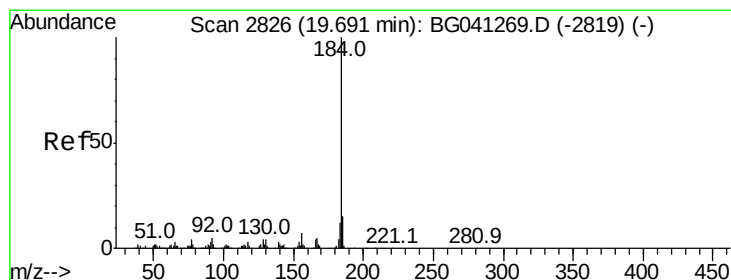
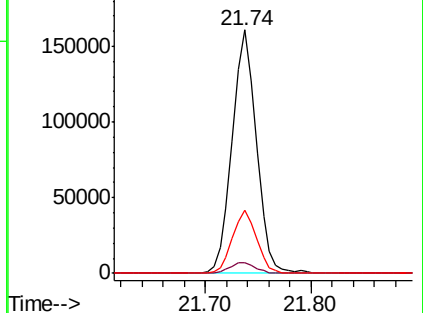
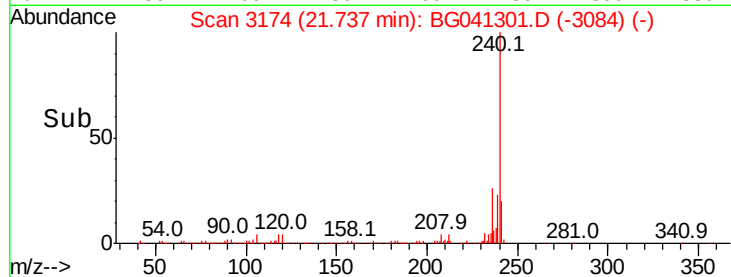
236 26.1 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 3.387 ng

RT: 20.06 min Scan# 2888

Delta R.T. 0.37 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

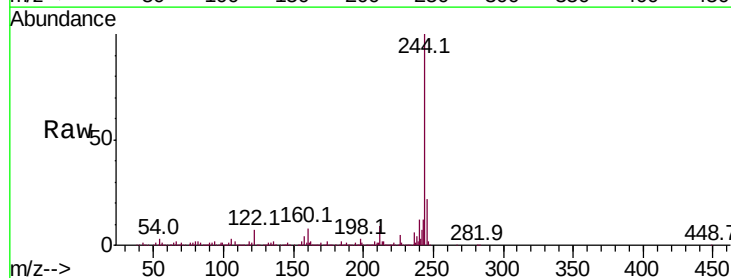
Tgt Ion:184 Resp: 20918

Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.2

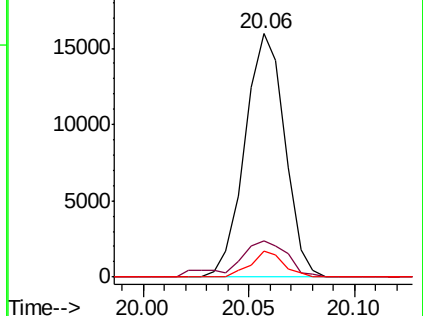
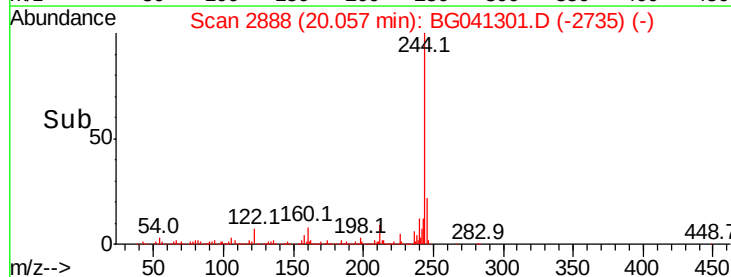
183 10.9 9.6 14.4

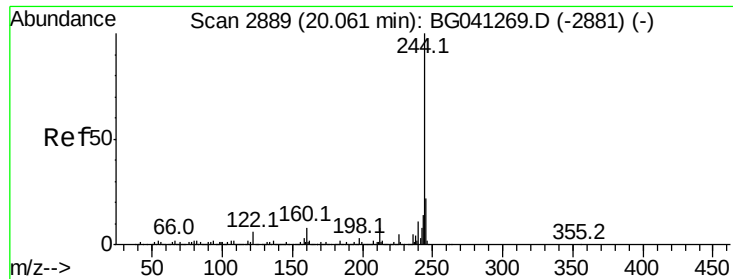


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 89.488 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

Instrument :

BNA_G

ClientSampled :

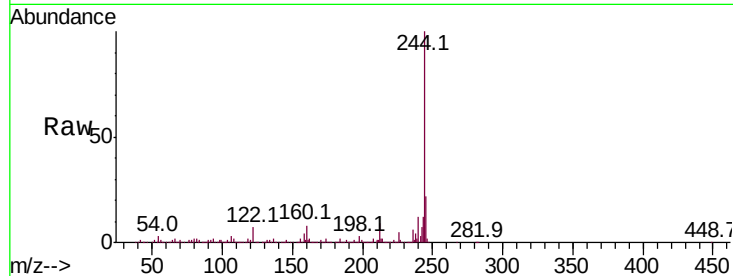
Tot Ion:244 Resp: 1153137

Ion Ratio Lower Upper

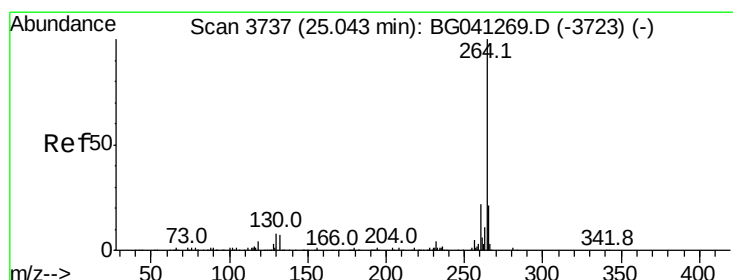
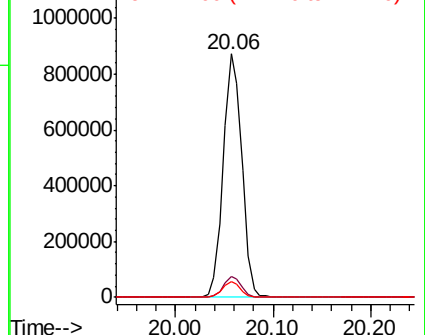
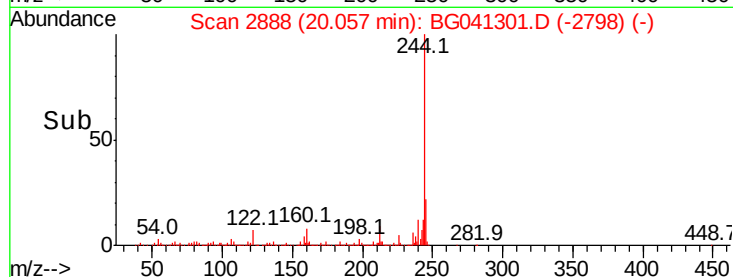
244 100

212 8.6 6.6 10.0

122 6.7 5.0 7.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.05 min Scan# 3737

Delta R.T. 0.00 min

Lab File: BG041301.D

Acq: 18 Jun 2019 17:28

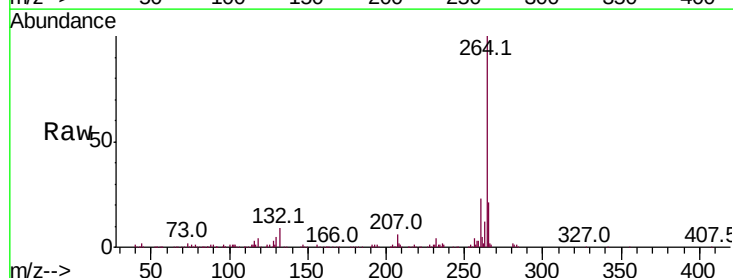
Tgt Ion:264 Resp: 269562

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.2

265 21.3 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

